

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:

10/511,719

Source:

PCT/10

Date Processed by STIC:

10/29/04

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/511,719

CRF Edit Date: 10/29/04
Edited by: me

Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

___ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

___ Other:



PCT

RAW SEQUENCE LISTING

DATE: 10/29/2004

PATENT APPLICATION: US/10/511,719

TIME: 18:25:42

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10292004\J511719.raw

2 <110> APPLICANT: REGEN Biotech. Inc.
 4 <120> TITLE OF INVENTION: The method for measuring the amount of B??-?? protein and
 diagnostic kit
 5 using the same
 W--> 6 <130> FILE REFERENCE: 2fpo-10-14
 C--> 8 <140> CURRENT APPLICATION NUMBER: US/10/511,719
 C--> 8 <141> CURRENT FILING DATE: 2004-10-18
 8 <160> NUMBER OF SEQ ID NOS: 10
 10 <170> SOFTWARE: KopatentIn 1.71
 12 <210> SEQ ID NO: 1
 13 <211> LENGTH: 683
 14 <212> TYPE: PRT
 15 <213> ORGANISM: Homo sapiens
 17 <400> SEQUENCE: 1
 18 Met Ala Leu Phe Val Arg Leu Leu Ala Leu Ala Leu Ala Leu
 19 1 5 10 15
 21 Gly Pro Ala Ala Thr Leu Ala Gly Pro Ala Lys Ser Pro Tyr Gln Leu
 22 20 25 30
 24 Val Leu Gln His Ser Arg Leu Arg Gly Arg Gln His Gly Pro Asn Val
 25 35 40 45
 27 Cys Ala Val Gln Lys Val Ile Gly Thr Asn Arg Lys Tyr Phe Thr Asn
 28 50 55 60
 30 Cys Lys Gln Trp Tyr Gln Arg Lys Ile Cys Gly Lys Ser Thr Val Ile
 31 65 70 75 80
 33 Ser Tyr Glu Cys Cys Pro Gly Tyr Glu Lys Val Pro Gly Glu Lys Gly
 34 85 90 95
 36 Cys Pro Ala Ala Leu Pro Leu Ser Asn Leu Tyr Glu Thr Leu Gly Val
 37 100 105 110
 39 Val Gly Ser Thr Thr Thr Gln Leu Tyr Thr Asp Arg Thr Glu Lys Leu
 40 115 120 125
 42 Arg Pro Glu Met Glu Gly Pro Gly Ser Phe Thr Ile Phe Ala Pro Ser
 43 130 135 140
 45 Asn Glu Ala Trp Ala Ser Leu Pro Ala Glu Val Leu Asp Ser Leu Val
 46 145 150 155 160
 48 Ser Asn Val Asn Ile Glu Leu Leu Asn Ala Leu Arg Tyr His Met Val
 49 165 170 175
 51 Gly Arg Arg Val Leu Thr Asp Glu Leu Lys His Gly Met Thr Leu Thr
 52 180 185 190
 54 Ser Met Tyr Gln Asn Ser Asn Ile Gln Ile His His Tyr Pro Asn Gly
 55 195 200 205
 57 Ile Val Thr Val Asn Cys Ala Arg Leu Leu Lys Ala Asp His His Ala
 58 210 215 220
 60 Thr Asn Gly Val Val His Leu Ile Asp Lys Val Ile Ser Thr Ile Thr
 61 225 230 235 240

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```

63 Asn Asn Ile Gln Gln Ile Ile Glu Ile Glu Asp Thr Phe Glu Thr Leu
64          245          250          255
66 Arg Ala Ala Val Ala Ala Ser Gly Leu Asn Thr Met Leu Glu Gly Asn
67          260          265          270
69 Gly Gln Tyr Thr Leu Leu Ala Pro Thr Asn Glu Ala Phe Glu Lys Ile
70          275          280          285
72 Pro Ser Glu Thr Leu Asn Arg Ile Leu Gly Asp Pro Glu Ala Leu Arg
73          290          295          300
75 Asp Leu Leu Asn Asn His Ile Leu Lys Ser Ala Met Cys Ala Glu Ala
76 305          310          315          320
78 Ile Val Ala Gly Leu Ser Val Glu Thr Leu Glu Gly Thr Thr Leu Glu
79          325          330          335
81 Val Gly Cys Ser Gly Asp Met Leu Thr Ile Asn Gly Lys Ala Ile Ile
82          340          345          350
84 Ser Asn Lys Asp Ile Leu Ala Thr Asn Gly Val Ile His Tyr Ile Asp
85          355          360          365
87 Glu Leu Leu Ile Pro Asp Ser Ala Lys Thr Leu Phe Glu Leu Ala Ala
88          370          375          380
90 Glu Ser Asp Val Ser Thr Ala Ile Asp Leu Phe Arg Gln Ala Gly Leu
91 385          390          395          400
93 Gly Asn His Leu Ser Gly Ser Glu Arg Leu Thr Leu Leu Ala Pro Leu
94          405          410          415
96 Asn Ser Val Phe Lys Asp Gly Thr Pro Ile Asp Ala His Thr Arg
97          420          425          430
99 Asn Leu Leu Arg Asn His Ile Ile Lys Asp Gln Leu Ala Ser Lys Tyr
100          435          440          445
102 Leu Tyr His Gly Gln Thr Leu Glu Thr Leu Gly Gly Lys Lys Leu Arg
103          450          455          460
105 Val Phe Val Tyr Arg Asn Ser Leu Cys Ile Glu Asn Ser Cys Ile Ala
106 465          470          475          480
108 Ala His Asp Lys Arg Gly Arg Tyr Gly Thr Leu Phe Thr Met Asp Arg
109          485          490          495
111 Val Leu Thr Pro Pro Met Gly Thr Val Met Asp Val Leu Lys Gly Asp
112          500          505          510
114 Asn Arg Phe Ser Met Leu Val Ala Ala Ile Gln Ser Ala Gly Leu Thr
115          515          520          525
117 Glu Thr Leu Asn Arg Glu Gly Val Tyr Thr Val Phe Ala Pro Thr Asn
118          530          535          540
120 Glu Ala Phe Arg Ala Leu Pro Pro Arg Glu Arg Ser Arg Leu Leu Gly
121 545          550          555          560
123 Asp Ala Lys Glu Leu Ala Asn Ile Leu Lys Tyr His Ile Gly Asp Glu
124          565          570          575
126 Ile Leu Val Ser Gly Gly Ile Gly Ala Leu Val Arg Leu Lys Ser Leu
127          580          585          590
129 Gln Gly Asp Lys Leu Glu Val Ser Leu Lys Asn Asn Val Val Ser Val
130          595          600          605
132 Asn Lys Glu Pro Val Ala Glu Pro Asp Ile Met Ala Thr Asn Gly Val
133          610          615          620
135 Val His Val Ile Thr Asn Val Leu Gln Pro Pro Ala Asn Arg Pro Gln

```

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```

136 625          630          635          640
138 Glu Arg Gly Asp Glu Leu Ala Asp Ser Ala Leu Glu Ile Phe Lys Gln
139          645          650          655
141 Ala Ser Ala Phe Ser Arg Ala Ser Gln Arg Ser Val Arg Leu Ala Pro
142          660          665          670
144 Val Tyr Gln Lys Leu Leu Glu Arg Met Lys His
145          675          680
148 <210> SEQ ID NO: 2
149 <211> LENGTH: 2691
150 <212> TYPE: DNA
151 <213> ORGANISM: Homo sapiens
153 <400> SEQUENCE: 2
154 gcttgcccgt cggctcgctag ctgctcggt gcgcgtcgct ccgctccatg gcgctcttcg      60
156 tgcggctgct ggctctcgcc ctggctctgg ccctggggccc cgccgcgacc ctggcggggtc      120
158 ccgccaagtc gccctaccag ctggtgctgc agcacagcag gctccggggc cgccagcacg      180
160 gcccacacgt gtgtgctgtg cagaaggtta ttggcactaa taggaagtac ttcaccaact      240
162 gcaagcagtg gtaccaaagg aaaatctgtg gcaaatcaac agtcatcagc tacgagtgtc      300
164 gtcctggata tgaaaaggtc cctggggaga agggctgtcc agcagcccta ccactctcaa      360
166 acctttacga gacctggga gtcgttggt ccaccaccac tcagctgtac acggaccgca      420
168 cggagaagct gaggcctgag atggaggggc ccggcagctt caccatcttc gccctagca      480
170 acgaggcctg ggctccttg ccagctgaag tgctggactc cctggtcagc aatgtcaaca      540
172 ttgagctgct caatgccttc cgctaccata tggtagggcag gcgagtcctg actgatgagc      600
174 tgaaacacgg catgaccttc acctctatgt accagaattc caacatccag atccaccact      660
176 atcctaattg gattgtaact gtgaactgtg cccggctcct gaaagccgac caccatgcaa      720
178 ccaacggggt ggtgcacctc atcgataagg tcatctccac catcaccaac aacatccagc      780
180 agatcattga gatcgaggac acctttgaga cccttcgggc tgctgtggct gcatcagggc      840
182 tcaacacgat gcttgaaggc aacggccagt acacgctttt ggccccgacc aatgaggcct      900
184 tcgagaagat ccctagttag actttgaacc gtatcctggg cgaccagaa gccctgagag      960
186 acctgctgaa caaccacatc ttgaagtcag ctatgtgtgc tgaagccatc gttgcggggc      1020
188 tgtctgtaga gacctggag ggcacgacac tggaggtggg ctgcagcggg gacatgtctc      1080
190 ctatcaacgg gaaggcgatc atctccaata aagacatcct agccaccaac ggggtgatcc      1140
192 actacattga tgagctactc atcccagact cagccaagac actatttgaa ttggctgcag      1200
194 agtctgatgt gtccacagcc attgaccttt tcagacaagc cggcctcggc aatcatctct      1260
196 ctggaagtga gcggttgacc ctctgggtc ccctgaattc tgtattcaaa gatggaacct      1320
198 ctccaattga tgccataca aggaatttgc ttcggaacca cataattaaa gaccagctgg      1380
200 cctctaagta tctgtaccat ggacagacct tggaaactct gggcgggcaa aaactgagag      1440
202 tttttgttta tcgtaatagc ctctgcattg agaacagctg catcgcgggc cagacaaga      1500
204 gggggaggta cgggacctg ttcacgatgg accgggtgct gaccccccca atggggactg      1560
206 tcatggatgt cctgaaggga gacaatcgct ttagcatgct ggtagctgcc atccagtctg      1620
208 caggactgac ggagaccttc aaccgggaag gagtctacac agtctttgct cccacaaatg      1680
210 aagccttcg agccctgcc acaagagaac ggagcagact cttgggagat gccaaagAAC      1740
212 ttgccaacat cctgaaatac cacattggtg atgaaatcct ggttagcgga ggcacgggg      1800
214 ccctggtgct gctaaagtct ctccaagggtg acaagctgga agtcagcttg aaaaacaatg      1860
216 tggtagagtgt caacaaggag cctgttgccg agcctgacat catggccaca aatggcgtgg      1920
218 tccatgtcat caccaatgtt ctgcagctc cagccaacag acctcaggaa agaggggatg      1980
220 aacttgcaga ctctgcgctt gagatcttca aacaagcatc agcgttttcc agggcttccc      2040
222 agaggtctgt gcgactagcc cctgtctatc aaaagttatt agagaggatg aagcattagc      2100
224 ttgaagcact acaggaggaa tgcaccacgg cagctctccg ccaatttctc tcagatttcc      2160
226 acagagactg tttgaatgtt ttcaaaacca agtatcacac tttaatgtac atgggcccga      2220

```

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DATE: 10/29/2004

PATENT APPLICATION: US/10/511,719

TIME: 18:25:43

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10292004\J511719.raw

```

228 ccataatgag atgtgagcct tgtgcatgtg ggggaggagg gagagagatg tacttttttaa      2280
230 atcatgttcc ccctaaacat ggctgttaac ccactgcatg cagaaacttg gatgtcactg      2340
232 cctgacattc acttccagag aggacctatc ccaaattgtg aattgactgc ctatgccaaag      2400
234 tccctggaaa aggagcttca gtattgtggg gtcataaaa catgaatcaa gcaatccagc      2460
236 ctcatgggaa gtcctggcac agtttttcta aagcccttgc acagctggag aaatggcatc      2520
238 attataagct atgagttgaa atgttctgtc aaatgtgtct cacatctaca cgtggcttgg      2580
240 aggcctttat ggggccctgt ccaggtagaa aagaaatggt atgtagagct tagatttccc      2640
242 tattgtgaca gagccatggt gtggtttaa taataaaacc aaagaaacat a      2691
245 <210> SEQ ID NO: 3
246 <211> LENGTH: 585
247 <212> TYPE: PRT
248 <213> ORGANISM: Homo sapiens
250 <220> FEATURE:
251 <221> NAME/KEY: PEPTIDE
252 <222> LOCATION: (1)..(585)
253 <223> OTHER INFORMATION: 69 to 653 amino acid sequence of human ID No.1
256 <400> SEQUENCE: 3
257 Tyr Gln Arg Lys Ile Cys Gly Lys Ser Thr Val Ile Ser Tyr Glu Cys
258 1 5 10 15
260 Cys Pro Gly Tyr Glu Lys Val Pro Gly Glu Lys Gly Cys Pro Ala Ala
261 20 25 30
263 Leu Pro Leu Ser Asn Leu Tyr Glu Thr Leu Gly Val Val Gly Ser Thr
264 35 40 45
266 Thr Thr Gln Leu Tyr Thr Asp Arg Thr Glu Lys Leu Arg Pro Glu Met
267 50 55 60
269 Glu Gly Pro Gly Ser Phe Thr Ile Phe Ala Pro Ser Asn Glu Ala Trp
270 65 70 75 80
272 Ala Ser Leu Pro Ala Glu Val Leu Asp Ser Leu Val Ser Asn Val Asn
273 85 90 95
275 Ile Glu Leu Leu Asn Ala Leu Arg Tyr His Met Val Gly Arg Arg Val
276 100 105 110
278 Leu Thr Asp Glu Leu Lys His Gly Met Thr Leu Thr Ser Met Tyr Gln
279 115 120 125
281 Asn Ser Asn Ile Gln Ile His His Tyr Pro Asn Gly Ile Val Thr Val
282 130 135 140
284 Asn Cys Ala Arg Leu Leu Lys Ala Asp His His Ala Thr Asn Gly Val
285 145 150 155 160
287 Val His Leu Ile Asp Lys Val Ile Ser Thr Ile Thr Asn Asn Ile Gln
288 165 170 175
290 Gln Ile Ile Glu Ile Glu Asp Thr Phe Glu Thr Leu Arg Ala Ala Val
291 180 185 190
293 Ala Ala Ser Gly Leu Asn Thr Met Leu Glu Gly Asn Gly Gln Tyr Thr
294 195 200 205
296 Leu Leu Ala Pro Thr Asn Glu Ala Phe Glu Lys Ile Pro Ser Glu Thr
297 210 215 220
299 Leu Asn Arg Ile Leu Gly Asp Pro Glu Ala Leu Arg Asp Leu Leu Asn
300 225 230 235 240
302 Asn His Ile Leu Lys Ser Ala Met Cys Ala Glu Ala Ile Val Ala Gly
303 245 250 255

```

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PATENT APPLICATION: US/10/511,719

TIME: 18:25:43

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10292004\J511719.raw

```

305 Leu Ser Val Glu Thr Leu Glu Gly Thr Thr Leu Glu Val Gly Cys Ser
306          260          265          270
308 Gly Asp Met Leu Thr Ile Asn Gly Lys Ala Ile Ile Ser Asn Lys Asp
309          275          280          285
311 Ile Leu Ala Thr Asn Gly Val Ile His Tyr Ile Asp Glu Leu Leu Ile
312          290          295          300
314 Pro Asp Ser Ala Lys Thr Leu Phe Glu Leu Ala Ala Glu Ser Asp Val
315 305          310          315          320
317 Ser Thr Ala Ile Asp Leu Phe Arg Gln Ala Gly Leu Gly Asn His Leu
318          325          330          335
320 Ser Gly Ser Glu Arg Leu Thr Leu Leu Ala Pro Leu Asn Ser Val Phe
321          340          345          350
323 Lys Asp Gly Thr Pro Pro Ile Asp Ala His Thr Arg Asn Leu Leu Arg
324          355          360          365
326 Asn His Ile Ile Lys Asp Gln Leu Ala Ser Lys Tyr Leu Tyr His Gly
327          370          375          380
329 Gln Thr Leu Glu Thr Leu Gly Gly Lys Lys Leu Arg Val Phe Val Tyr
330 385          390          395          400
332 Arg Asn Ser Leu Cys Ile Glu Asn Ser Cys Ile Ala Ala His Asp Lys
333          405          410          415
335 Arg Gly Arg Tyr Gly Thr Leu Phe Thr Met Asp Arg Val Leu Thr Pro
336          420          425          430
338 Pro Met Gly Thr Val Met Asp Val Leu Lys Gly Asp Asn Arg Phe Ser
339          435          440          445
341 Met Leu Val Ala Ala Ile Gln Ser Ala Gly Leu Thr Glu Thr Leu Asn
342          450          455          460
344 Arg Glu Gly Val Tyr Thr Val Phe Ala Pro Thr Asn Glu Ala Phe Arg
345 465          470          475          480
347 Ala Leu Pro Pro Arg Glu Arg Ser Arg Leu Leu Gly Asp Ala Lys Glu
348          485          490          495
350 Leu Ala Asn Ile Leu Lys Tyr His Ile Gly Asp Glu Ile Leu Val Ser
351          500          505          510
353 Gly Gly Ile Gly Ala Leu Val Arg Leu Lys Ser Leu Gln Gly Asp Lys
354          515          520          525
356 Leu Glu Val Ser Leu Lys Asn Asn Val Val Ser Val Asn Lys Glu Pro
357          530          535          540
359 Val Ala Glu Pro Asp Ile Met Ala Thr Asn Gly Val Val His Val Ile
360 545          550          555          560
362 Thr Asn Val Leu Gln Pro Pro Ala Asn Arg Pro Gln Glu Arg Gly Asp
363          565          570          575
365 Glu Leu Ala Asp Ser Ala Leu Glu Ile
366          580          585
369 <210> SEQ ID NO: 4
370 <211> LENGTH: 1857
371 <212> TYPE: DNA
372 <213> ORGANISM: Mouse Intracisternal A-particle
374 <400> SEQUENCE: 4
375 gcaggtcccg ccaagtcacc ctaccagctg gtgctgcagc atagccggct ccgggggtcgc      60
377 cagcacggcc ccaatgtatg tgctgtgcag aaggctcattg gcaccaacaa gaaatacttc      120

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/511,719

DATE: 10/29/2004
TIME: 18:25:44

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\10292004\J511719.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 4

VERIFICATION SUMMARY

DATE: 10/29/2004

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TIME: 18:25:44

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10292004\J511719.raw

L:6 M:283 W: Missing Blank Line separator, <130> field identifier

L:8 M:270 C: Current Application Number differs, Replaced Current Application No

L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date